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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,606	04/26/2001	Bradley A. Bloechel	10559-400001 / P10337	7665

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FISH & RICHARDSON, PC
4350 LA JOLLA VILLAGE DRIVE
SUITE 500
SAN DIEGO, CA 92122

EXAMINER

NGUYEN, JIMMY

ART UNIT PAPER NUMBER

2829

DATE MAILED: 08/14/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/843,606

Applicant(s)

BLOECHEL, BRADLEY A. *MB*

Examiner

Jimmy Nguyen

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7 - 15 is/are allowed.
- 6) ☒ Claim(s) 1 - 6, 16 - 18 is/are rejected.
- 7) ☒ Claim(s) 19 - 27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Objections

1. Claim1 is objected to because of the following informalities: claim 1 end with the "and." This is inappropriate ending. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 – 6, 16 – 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Motohama et al (US 5894424).

As to claims 1, 16, Motohama et al disclose (fig 1) a method and the system

Generating event signals (3);

Storing the event signals (3) in a holding circuit (2);

Producing response signals in a dut (8) in response to the event signals (3); and

A measuring device (6) for evaluating the dut (8) based on the response signals (testing the functional of the components, column 7 line 42 – 62) from the dut (8) and stored event signals (3) from the holding circuit (2)

As to claims 2, 17, Motohama et al disclose

Generating trigger signals (3) ; and

Synchronizing each trigger signal (3a, 3b) with an event signal (3) such that the trigger signal occurs between a rising edge of the event signal and a falling edge of the event signal

As to claims 3, 4, 18, Motohama et al disclose (fig 1) continuing to store an initial state of each event signal (3) in the holding circuit (2) after transition of the event signal to a subsequent state (startup testing) and applying a reset signal to the holding circuit (2)

As to claims 5, 6, Motohama et al disclose the event signal (3) is able to generate plural programs (3a, 3b...) column 6 line 14 which fall to the range of rising edge.

Allowable Subject Matter

4. Claims 7 – 15 are allowed.

The prior art of record fails to disclose

A first input port for receiving a trigger signal coupled to the input of the driving circuit

Art Unit: 2829

A second input port for receiving an event signal coupled to the first end of the first conductor;

An output port for outputting a hold signal coupled to the second end of the first conductor; and

A second conductor having an impedance higher than an impedance of the first conductor, and coupled between the output of the driving circuit and a connection point on the first conductor.

5. Claims 19 –27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art of record fails to disclose

A first input port for receiving a trigger signal coupled to the input of the driving circuit

A second input port for receiving an event signal coupled to the first end of the first conductor;

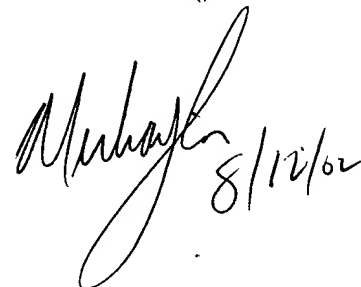
An output port for outputting a hold signal coupled to the second end of the first conductor; and

A second conductor having an impedance higher than an impedance of the first conductor, and coupled between the output of the driving circuit and a connection point on the first conductor.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy Nguyen at (703) 306-5858. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4900.

JN.
August 10, 2002

A handwritten signature in black ink, appearing to read 'Michael Sherry', followed by the date '8/12/02'.

**MICHAEL SHERRY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800**